

Updated: 1/25/22

**Cambridge Water Department Per- and Polyfluoroalkyl Substances (PFAS) Monitoring - Analytes detected  
Entry Point to the Distribution System (EPDS) aka Finish Water**

C.A.S.#	Compound Name	MasDEP MCL	1/5/2022	2/2/2022									
			ng/L (ppt)	ng/L (ppt)									
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	x	2.2	2.0									
335-67-1	Perfluorooctanoic Acid (PFOA)	x	6.7	5.7									
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	x	2.5	2.1									
375-95-1	Perfluorononanoic Acid (PFNA)	x	0.0	0.0									
375-85-9	Perfluorhepatanoic Acid (PFHpA)	x	2.2	1.9									
335-76-2	Perfluorodecanoic acid (PFDA)	x	0.0	0.0									
Sum of PFAS6 detected			13.6	11.7									
Quarterly Compliance Average			12.7										

ng/L = nanograms per Liter or ppt, parts per trillion

2.0 ng/L Minimum Reporting Limit (MRL) The lowest quantitated value for a target analyte in a sample. Typically the lowest calibration standard used.

**MassDEP Regulation requires quarterly compliance for PFAS6 MCL:  $\leq 20$  ng/L for sum of PFOA, PFOS, PFHxS, PFNA, PFDA, and PFHpA,**

**MassDEP PFAS Regulations if PFAS6 is detected monthly monitoring is required:**

- If the average of a PFAS6 result and its associated confirmatory sample is greater than 10 ppt, the sampling location must be sampled monthly .
- Monthly Sampling continues until the source is shown to be Reliably and Consistently  $\leq 10$  ng/L.
- Any PWS that is performing monthly PFAS6 monitoring the regulation requires quarterly averaging for compliance.
- If any PFAS6 monthly monitoring value exceeds 20 ppt, the PWS shall provide public education materials regarding the exceedance.